Land Classification Interpretations

Prime and Important Farmland

Prime farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops, and is also available for these uses (the land could be cropland, pastureland, forest land, or other land, but not urban built-up land or water). It has the soil quality, growing season, and moisture supply needed to economically produce sustained high yields of crops when treated and managed, including water management, according to acceptable farming methods.

In general, prime farmlands have an adequate and dependable water supply from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, acceptable salt content, and few or no rocks. They are permeable to water and air. Prime farmlands are not excessively erodible or saturated with water for a long period of time, and they either do not flood frequently or are protected from flooding.

This section includes lists of soil survey map units that meet the soil requirements for prime farmland in the county and state. Soils that have limitations, such as a high water table or flooding, may qualify as prime farmland if these limitations are overcome by such measures as drainage or flood control. State important soils are also noted.

This subsection includes:

- **(a) County Prime Farmland List**
- **(b) Missouri's Soil Survey Mapping Units Denoting Prime Farmland and Farmland of Statewide Importance**

Washington County, Missouri
Prime Farmland

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map symbol	Soil name
66014	Haymond silt loam, 0 to 3 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
73039	Glensted silt loam, 1 to 3 percent slopes (Prime farmland if drained)
74650	Higdon silt loam, 0 to 3 percent slopes, occasionally flooded
74653	Racoon-Freeburg complex, 0 to 3 percent slopes, occasionally flooded (Prime farmland if drained)
74656	Deible silt loam, 1 to 5 percent slopes, rarely flooded (Prime farmland if drained)
74662	Higdon silt loam, 2 to 5 percent slopes
75398	Kaintuck fine sandy loam, 0 to 3 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
75406	Racket loam, 0 to 3 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
75412	Razort silt loam, 0 to 3 percent slopes, occasionally flooded
75427	Gabriel silt loam, 0 to 3 percent slopes, occasionally flooded, gravelly substratum phase (Prime farmland if drained)
75450	Bloomsdale silt loam, 0 to 3 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
75453	Sturkie silt loam, 0 to 2 percent slopes, occasionally flooded
75459	Huzzah silt loam, 0 to 3 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
75460	Horsecreek silt loam, 0 to 3 percent slopes, occasionally flooded, wet substratum phase